WHAT IS CLAIMED IS:

1. A propagated signal, comprising:

a period of time spanned by a pulse, said period of time divided into a group of time slots, each of said time slots having a unique phase/time position; and

said pulse encoding a data element by said phase/time position.

2. The propagated signal as recited in Claim 1 wherein said data element is ascertainable by mapping.

3. The propagated signal as recited in Claim 1 wherein said time slots in said group are adjacent.

4. The propagated signal as recited in Claim 1 wherein said time slots in said group are not adjacent.

5. The propagated signal as recited in Claim 1 wherein said time slots have a non-uniform spacing.

6. The propagated signal as recited in Claim 1 wherein more than one pulse is located within said group of time slots.

7. The propagated signal as recited in Claim 1 wherein said group encodes data that is more than fifteen bits long.

8. The propagated signal as recited in Claim 1 wherein said element of data is selected from the group consisting of:

a header;

an error detection message;

a synchronization element; and

a data message.

9. The propagated signal as recited in Claim 8 further comprising a plurality of said groups.

10. The propagated signal as recited in Claim 8 wherein said groups have differing numbers of time slots.

11. A method of propagating a signal, comprising:

designating a period of time spanned by a pulse, said period of time divided into a group of time slots, each of said time slots having a unique phase/time position; and

causing said pulse to encode a data element by said phase/time position.

12. The method as recited in Claim 11 wherein said data is ascertainable by mapping.

13. The method as recited in Claim 11 wherein said time slots in said group are adjacent.

14. The method as recited in Claim 11 wherein said time slots in said group are not adjacent.

15. The method as recited in Claim 11 wherein said time slots have a non-uniform spacing.

16. The method as recited in Claim 11 wherein more than one pulse is located within said group of time slots.

17. The method as recited in Claim 11 wherein said group encodes data that is more than fifteen bits long.

18. The propagated signal as recited in Claim 11 wherein said element of data is selected from the group consisting of:

a header;

an error detection message;

a synchronization element; and

a data message.

19. The method as recited in Claim 11 further comprising designating a plurality of said groups.

20. The propagated signal as recited in Claim 18 wherein said groups have differing numbers of time slots.